

Deepak Gaikwad

CLOUD ARCHITECT · PRINCIPAL ENGINEER · SOFTWARE DEVELOPER

CONTACT

LOCATION
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LINKEDIN
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GITHUB
github.com/deepakraog

PORTFOLIO
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SKILLS

LANGUAGES

TypeScript JavaScript

Node.js Rust

CLOUD & ARCHITECTURE

AWS GCP Azure

AWS CDK Serverless

Microservices Smithy

Cloud Migration

FRONTEND

Angular 2+ CSS

DATA

PostgreSQL DynamoDB

DEVOPS & AI

CI/CD GitHub Actions

MCP RAG AI Agents

EDUCATION

B.E., Engineering
VTU · SJCIT, Bengaluru
2004 – 2008

LANGUAGES

English Hindi Kannada

INTERESTS

Numismatics Philately

Cricket

PROFILE

Results-driven Cloud Architect and Principal Engineer with 14+ years of experience in architectural design, cost optimization, and technology-stack refinement. Proven track record building scalable backend systems with Node.js and TypeScript across AWS, Azure, and GCP. Hands-on expertise in Azure-to-AWS migration, MCP servers, RAG pipelines, AI Agents, and GitHub Actions CI/CD. Adept at leading cross-functional teams in aerospace and enterprise domains.

EXPERIENCE

Cloud Architect · Boeing

Bengaluru, IN Dec 2025 – Present

- Architecting scalable, secure cloud solutions on AWS for enterprise-grade engineering and avionics systems.
- Led Azure-to-AWS migration — re-platforming legacy apps to cloud-native services and improving resilience.
- Achieved 45% reduction in operational costs via infrastructure right-sizing and managed AWS services.
- Driving the ASLP Project — leading cross-functional delivery of secure airborne software updates.
- Defining cloud architecture patterns, conducting design reviews, and enforcing security and compliance best practices.

Principal Engineer · STEDI

Bengaluru, IN (Client: California) Feb 2024 – May 2025

- Crafted scalable, cost-effective architectures for microservices and serverless solutions; deployed services using AWS CDK.
- Built MCP servers, RAG pipelines, and AI Agents with LLM APIs to automate workflows and accelerate delivery.
- Served as first-pass code reviewer using GitHub Autopilot, improving quality and reducing review cycles.
- Designed APIs with Smithy; ran SNIP validations and contract tests with JSONata expressions.
- Streamlined CI/CD with GitHub Actions; built Angular frontends and optimized PostgreSQL and DynamoDB databases.

Senior Software Engineer II · Cleo

Bengaluru, IN Sep 2017 – Feb 2024

- Spearheaded scalable microservices in a cloud-native environment for high-throughput data exchange workloads.
- Developed and optimized RESTful APIs to elevate performance, reliability, and user experience.
- Mentored junior engineers, conducted code reviews, and championed engineering best practices.
- Enhanced unit and integration testing frameworks, raising coverage and system reliability.

Software Developer I · OnMobile

Bengaluru, IN Dec 2011 – Sep 2017

- Built and tested client release tooling for R&D rollouts to major telecom operators.
- Led database optimization — query tuning, indexing, and schema refactoring — for operator deployments.
- Increased development velocity by authoring automation scripts and internal tooling.